

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

Attorney Docket No.: S-100,604

First Inventor or Application Identifier: Thomas C. Terwilliger

Title: STATISTICAL DENSITY MODIFICATION USING LOCAL
PATTERN MATCHING

Express Mail Label No.: ER 311845960 US

APPLICATION ELEMENTS

ADDRESS TO: Commissioner for Patents
Mail Stop Patent Application
PO Box 1450
Alexandria, VA 22313-1450

1. ☒ * Fee Transmittal Form (e.g. PTO/SB/17)
(submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages: 39]
☒ Descriptive title of the Invention
☐ Cross References to Related Applications
☒ Statement Regarding Fed sponsored R&D
☐ Reference to sequence listing, a table
or a computer program listing appendix
☒ Background of the Invention
☒ Brief Description of the Drawings (if filed)
☒ Detailed Description
☒ Claim(s)
☒ Abstract of the Disclosure
4. ☒ Drawings(s) (35 U.S.C.113)[Total Sheets: 15]
☒ Formal ☐ Informal
5. ☒ Declaration & Power of Attorney
[Total Pages: 2]
a. ☒ Newly executed (original or copy)
b. ☐ Copy from a prior application (37 C.F.R. §.63(d)
(for continuation/divisional with Box 16 completed)
c. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting
inventor(s) named in the prior application,
see 37 C.F.R. §§ 1.63(d)(2) and 1.33 (b).

6. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
a. ☐ Computer Readable Copy
b. Specification Sequence Listing on:
i. ☐ CD-ROM or CD-R (2 copies); or
ii. ☐ paper
c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. ☒ Assignment Papers (cover sheet & documentation)
9. ☐ 37 C.F.R. §3.73(b) Statement ☐ Power of
(when there is an assignee) Attorney
10. ☒ Information Disclosure ☐ Copies of IDS
Statement (IDS)/PTO-1449 Citations
11. ☐ Preliminary Amendment
12. ☒ Return Receipt Postcard (MPEP 503)
(should be specifically itemized)
13. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
14. ☐ Nonpublication Request and Certification Under 35 U.S.C.
122(b)(2)(b)(i)
15. ☒ Other: Compact Disc Transmittal Letter with 2 CDs

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application S.N. .

Prior application information: Examiner: Group/Art Unit:

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

16. CORRESPONDENCE ADDRESS

☒ Customer Number **35068**OR ☐ Correspondence Address Below**35068**

Name: **Ray G. Wilson**
Address: **Los Alamos National Laboratory, LC/IP, MS A187**
City: **Los Alamos** State: **New Mexico** Zip Code: **87545**
Country: **United States** Telephone: **(505) 665-3112** Fax: **(505) 665-4424**

Name: Ray G. Wilson

Registration No.: 28,351

Signature: 

Date: April 08, 2004

FEE TRANSMITTAL
For FY 2004

*Patent fees are subject to annual revision
(submit an original and a duplicate for fee processing)*

Complete if Known

Application Number:	
Filing Date:	
First Named Inventor:	Thomas C. Terwilliger
Examiner Name:	
Group/Art Unit:	
Attorney Docket No.:	S-100.604

METHOD OF PAYMENT

1. ☒ The commissioner is hereby authorized to charge indicated fees and credit any over payments to:
Deposit Account Number: **12-2150**
Deposit Account Name: **Los Alamos National Laboratory**
- ☒ Charge Any Additional Fee Required Under
37 C.F.R. 1.16 and 1.17
- ☒ Applicant claims small entity status.
See 37 CFR 1.27

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity		
Fee	Fee	Fee Description	Fee Paid
\$770	\$385	Utility filing fee	
\$770	\$385	Reissue filing fee	
\$160	\$80	Provisional filing fee	

SUBTOTAL (1) \$385.00

2. EXTRA CLAIM FEES

		Extra Claims		Fee from Below	Fee Paid
Total Claims	6 –20** =	X	=		-0-
Independent Claims	1–3 ** =	X	=		-0-
Multiple Dependent					=

**** or number previously paid, if greater; For Reissues, see below**

Large Entity Fee	Small Entity Fee	Fee Description
\$18	\$9	Claims in excess of 20
\$86	\$43	Independent claims in excess of 3
\$290	\$145	Multiple dependent claim, if not paid.
\$86	\$43	** Reissue independent claims over original patent
\$18	\$9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) -0-

\$

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee	Small Entity Fee	Fee Description	Fee Paid
\$130	\$65	Surcharge – late filing fee or oath	
\$50	\$25	Surcharge – late provisional filing fee or cover sheet	
\$2,520	\$2,520	For filing a request for reexamination	
\$110	\$55	Extension for reply within first month	
\$420	\$210	Extension for reply within second month	
\$950	\$475	Extension for reply within third month	
\$1,480	\$740	Extension for reply within fourth month	
\$2,010	\$1,005	Extension for reply within fifth month	
\$330	\$165	Notice of Appeal	
\$330	\$165	Filing a brief in support of an appeal	
\$290	\$145	Request for oral hearing	
\$110	\$55	Petition to revive – unavoidable	
\$110	\$55	Terminal Disclaimer	
\$1,330	\$665	Petition to revive – unintentional	
\$130	\$130	Petitions to the Commissioner	
\$ 50	\$50	Petitions related to provisional applications	
\$ 180	\$180	Submission of Information Disclosure Statement	
\$770	\$385	Filing a submission after final rejection (37 CFR 1.129 (a))	
\$770	\$385	For each additional invention to be examined (37 CFR 1.129(b))	
\$100	\$100	Certificate of Correction	
\$300	\$300	Publication fee for early, voluntary, or normal publication	
\$770	\$385	Request for Continued Examination (RCE)	

Other fee (specify) _____

SUBTOTAL (3)	\$
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Reduced by Basic Filing Fee Paid

SUBTOTAL FROM 1	\$385.00
SUBTOTAL FROM 2	\$-0-
SUBTOTAL FROM 3	\$-0-
TOTAL AMOUNT OF PAYMENT	\$385.00

SUBMITTED BY

Printed Name: Ray G. Wilson

Signature:

Date: 4/8/04

Complete (if applicable)

Reg. No.	28.351
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Telephone	(505) 665-3112
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Thomas C. Terwilliger

Docket No.: S-100,604

For : STATISTICAL DENSITY MODIFICATION USING LOCAL PATTERN
MATCHINGCommissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

COMPACT DISC TRANSMITTAL LETTER

Sir:

Machine format

Dell PC

Operating system

Windows 2000 Professional

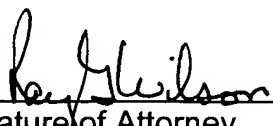
Files

File Name	Date Created	File Size
resolve_pattern_2.05.f	July 7, 2003	1,028 KB
resolve_2.05.f	July 7, 2003	5,935 KB
resolve_pattern_allocate_2.05.c	July 7, 2003	38 KB
resolve_allocate-2.05.c	July 7, 2003	43 KB
tabulate.f	July 7, 2003	82 KB
index_setup.f	July 7, 2003	59 KB
analyze_tabulate.f	July 7, 2003	71 KB

The compact disc is submitted in duplicate. Copy 1 and Copy 2 are identical.

Respectfully submitted,

Date:

April 8, 2004

Signature of AttorneyReg. No. 28,351
Phone (505) 665-3112Ray G. Wilson
Los Alamos National Laboratory
LC/IP, MS A187
Los Alamos, New Mexico 87545